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November 17, 2005

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re: U.S. Application No. 10/518,753 ✓
Filed: June 30, 2005
Title: Nucleic Acid Sequences and Methods of Use for the
Production of Plants with Modified Polyunsaturated Fatty
Acids
Applicant: JoAnne J. FILLATTI
Atty. Docket: 16518.162

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office (PTO):

1. an Information Disclosure Statement;
2. a Form PTO-1449 citing 92 references and supplying a copy of 72 references; and
3. a return postcard.

Please stamp the attached postcard with the filing date of these documents and return it to our courier.

Applicant does not believe any fees are due in conjunction with this filing. However, if any fees are required in the present application, including any fees for extensions of time, then the Commissioner is hereby authorized to charge such fees to Arnold & Porter LLP Deposit Account No. 50-2387 referencing matter number 16518.162. A duplicate copy of this letter is enclosed.

Respectfully submitted,

Kristan Lansbery

David R. Marsh (Reg. Attorney No. 41,408)
Kristan L. Lansbery (Reg. Agent No. 53,183)

Enclosures



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Joanne.J. FILLATTI

Appln. No.: 10/518,753

Filed: June 30, 2005

For: Nucleic Acid Sequences and
Methods of Use for the Production
of Plants with Modified
Polyunsaturated Fatty Acids

Art Unit: 1638

Examiner: Elizabeth McElwain

Confirmation No.: 8074

Atty. Docket: 16518.162

Information Disclosure Statement

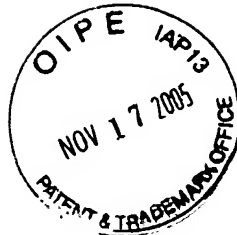
Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The attention of the Examiner is invited to the references listed on the attached Form PTO-1449. Copies of the references are submitted herewith.

Copies of the U.S. patents and published applications listed on the attached Form PTO-1449 are not submitted herewith, in accordance with the Strategic Plan Final Rule, 69 Fed. Reg 56481-56547 (September 21, 2004), effective October 21, 2004.

It is respectfully requested that the information above be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.



U.S. Application No. 10/518,753
Joanne J. FILLATTI
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Certification and/or Fee

Because this Information Disclosure Statement is being submitted prior to issuance of the first action on the merits of the above-captioned application, no certification or fee is required.

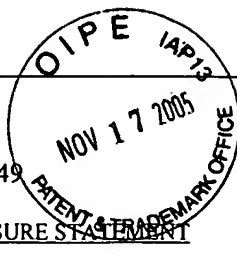
Applicants certify that each of the documents listed on the attached Form PTO-1449 was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement and, therefore, no fee is required.

Respectfully submitted,

David R. Marsh (Reg. Atty. No. 41,408)
Kristan L. Lansbery (Reg. Agent No. 53,183)

Date: November 17, 2005

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PTO-1449
for
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.	APPLICATION NO.
16518.162	10/518,753
APPLICANTS	
JoAnne J. FILLATTI	
FILING DATE	GROUP
June 30, 2005	1638

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA1	4,557,734	12/1985	Schwab et al.			
	AB1	5,454,842	10/1995	Poirier et al.			
	AC1	5,475,099	12/1995	Knauf et al.			
	AD1	5,627,061	05/1997	Barry et al.			
	AE1	5,633,435	05/1997	Barry et al.			
	AF1	5,714,670	02/1998	Fehr et al.			
	AG1	5,723,595	03/1998	Thompson et al.			
	AH1	5,723,761	03/1998	Voelker et al.			
	AI1	5,850,026	12/1998	Debonte et al.			
	AJ1	5,888,947	03/1999	Lambert et al.			
	AK1	5,891,203	04/1999	Ball et al.			
	AL1	5,955,329	09/1999	Yuan et al.			
	AM1	5,955,650	09/1999	Hitz			
	AN1	6,013,114	01/2000	Hille et al.			
	AO1	6,331,664 B1	12/2001	Rubin-Wilson et al.			
	AP1	2003/0049835 A1	03/2003	Helliwell et al.			
	AQ1	2003/0135882 A1	07/2003	Metzlaff et al.			
	AR1	2004/0107460 A1	06/2004	Fillatti et al.			
	AS1	2004/0126845 A1	07/2004	Eenennaam et al.			
	AT1	2005/0034190 A9	02/2005	Fillatti et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AU1	WO 93/11245 A1	06/1996	WIPO			
	AV1	WO 94/10189 A1	05/1994	WIPO			
	AW1	WO 94/11516 A1	05/1994	WIPO			
	AX1	WO 98/05770 A2	02/1998	WIPO			English Abstract
	AY1	WO 98/30083A1	07/1998	WIPO			

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<p style="text-align: center;">PTO-1449 for <u>INFORMATION DISCLOSURE STATEMENT</u></p>	ATTY. DOCKET NO.	APPLICATION NO.
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	AZ1	WO 98/46776 A2	10/1998	WIPO			
	AA2	WO 98/53083 A1	11/1998	WIPO			
	AB2	WO 99/15682 A2	04/1999	WIPO			
	AC2	WO 99/32619 A1	07/1999	WIPO			
	AD2	WO 99/49029 A1	09/1999	WIPO			
	AE2	WO 99/53050 A1	10/1999	WIPO			
	AF2	0 959 133 A1	11/1999	European Patent Office			
	AG2	WO 99/61631 A1	12/1999	WIPO			
	AH2	WO 99/64579A2	12/1999	WIPO			
	AI2	WO 00/07432 A1	02/2000	WIPO			
	AJ2	WO 00/44895 A1	08/2000	WIPO			English Abstract
	AK2	WO 00/44914 A1	08/2000	WIPO			
	AL2	WO 00/68374 A1	11/2000	WIPO			
	AM2	WO 01/14538 A2	03/2001	PCT			
	AN2	WO 01/34822 A2	05/2001	WIPO			
	AO2	WO 01/35726 A1	05/2001	WIPO			
	AP2	WO 01/36598 A1	05/2001	WIPO			
	AQ2	WO 01/70949 A1	09/2001	WIPO			
	AR2	WO 01/79499 A1	10/2001	WIPO			
	AS2	WO 02/04581 A1	01/2002	WIPO			English Abstract
	AT2	WO 02/15675 A1	02/2002	WIPO			
	AU2	WO 03/080802 A2	10/2003	WIPO			

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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AV2	Bouchon, P. <i>et al.</i> , "Oil Distribution in Fried Potatoes Monitored by Infrared Microspectroscopy", <i>Journal of Food Science</i> , 66(7):918-923 (2001)
AW2	Buhr, T. <i>et al.</i> , "Ribozyme Termination of RNA Transcripts Down-Regulate Seed Fatty Acid Genes in Transgenic Soybean", <i>The Plant Journal</i> , 30(2):155-163 (2002)
AX2	Cartea, M.E. <i>et al.</i> , "Comparison of Sense and Antisense Methodologies for Modifying the Fatty Acid Composition of <i>Arabidopsis thaliana</i> Oilseed", <i>Plant Science</i> , 136, 181-194 (1998)
AY2	Clark-Walker, G.D., et al., "Location of Transcriptional Control Signals and Transfer RNA Sequences in <i>Torulopsis glabrata</i> Mitochondrial DNA", <i>EMBO (European Molecular Biology Organization) Journal</i> , 4(2):465-473 (1985)
AZ2	Cogoni, C. <i>et al.</i> , "Post-Transcriptional Gene Silencing Across Kingdoms", <i>Curr. Opin. Gen. & Devel.</i> , 10(6):638-643 (2000)
AA3	Crossway, A. <i>et al.</i> , "Integration of Foreign DNA Following Microinjection of Tobacco Mesophyll Protoplasts", <i>Mol. Gen. Genet.</i> , 202(2):179-185 (1986)
AB3	Dörmann, P. <i>et al.</i> , "Accumulation of Palmitate in Arabidopsis Mediated by the Acyl-Acyl Carrier Protein Thioesterase FATB1", <i>Plant Physiology</i> , 123:637-643 (2000)
AC3	Database EM_GSS 'Online! EMBL Heidelberg, Germany; AC AL071390, 29 May 1999, GENOSCOPE: "Drosophila melanogaster genome surface sequence TET3 end of BAC: BACR32MO5" XP002163063, abstract
AD3	DATABASE EMPLN 'Online! EMBL Heidelberg, Germany; AC/ID AC004705, 21 May 1998, LIN X et al.: "Sequence and analysis of chromosome 2 of the plant Arabidopsis thaliana" XP002163064", abstract
AE3	DATABASE EM_GSS 'Online! EMBL Heidelberg, Germany; AC AL105179, 26 July 1999, GENOSCOPE: "Drosophila melanogaster genome survey sequence T7 end of BAC: BACN13A12" XP002163065, abstract
AF3	DATABASE EM-NEW 'Online! EMBL Heidelberg, Germany; AC/ID AB022220, 15 January 1999, Sato S. et al.: "Arabidopsis thaliana genomic DNA, chromosome 3, P1 clone: MLN21" XP002163066, abstract
AG3	DATABASE EM_GSS 'Online! EMBL Heidelberg, Germany; AC AL069706, 29 May 1999, GENOSCOPE: "Drosophila melanogaster genome survey sequence T7 end of BAC: BACR29B23" XP002163067, abstract
AH3	DATABASE EM_GSS 'Online! EMBL Heidelberg, Germany; AC AL063932, 29 May 1999, GENOSCOPE; "Drosophila melanogaster genome survey sequence TET3 end of BAC: BACR8010" XP002163068, abstract

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AI3	DATABASE EM_GSS 'Online! EMBL Heidelberg, Germany; AC AL108811, 26 July 1999, GENOSCOPE: "Drosophila melanogaster genome survey sequence SP6 end of BAC BACN37D10" XP002163069, abstract
AJ3	DATABASE EM_NEW 'Online! EMBL Heidelberg, Germany; AC/ID AB026636, 7 May 1999, Sato S. et al.: "Arabidopsis thaliana genomic DNA, chromosome 3, TAC clone: K14A17", XP002163070, abstract
AK3	DATABASE EMEST_PLN 'Online! EMBL Heidelberg, Germany; AC/ID AW297948, 8 February 2000, Shoemaker R. et al.: "Public soybean EST project", XP002163071, abstract
AL3	DATABASE EMPLN 'Online! EMBL Heidelberg, Germany; AC AL161581, 16 March 2000, Weichselgartner M. et al.: "Arabidopsis thaliana chromosome 4, contig fragment No. 77", XP002163072, abstract
AM3	Duffield, J. <i>et al.</i> , "U.S. Biodiesel Development: New Markets for Conventional and Genetically Modified Agricultural Products", <i>Economic Research Service USDA</i> , pp. 1-31 (1998)
AN3	Dunn, R.O. <i>et al.</i> , "Recent Advances in the Development of Alternative Diesel Fuel from Vegetable Oils and Animal Fats", <i>Recent Res. Devel. in Oil Chem.</i> , 1:31-56 (1997)
AO3	Erhan, S. <i>et al.</i> , "Lubricant Basestocks from Vegetable Oils", <i>Industrial Crops and Products</i> , 11:277-282 (2000)
AP3	Fire, A. <i>et al.</i> , "Potent and Specific Genetic Interference by Double-Stranded RNA in <i>Caenorhabditis elegans</i> ", <i>Nature</i> , 391:806-811 (1998)
AQ3	Halpin, C. <i>et al.</i> , "Enabling Technologies for Manipulating Multiple Genes on Complex Pathways", <i>Plant Molecular Biology</i> , 47:295-310 (2001)
AR3	Hamada, T. <i>et al.</i> , "Modification of Fatty Acid Composition by Over- and Antisense-Expression of a Microsomal ω -3 Fatty Acid Desaturase Gene in Transgenic Tobacco", <i>Transgenic Research</i> , 5(2), 115-121 (1996)
AS3	International Search Report mailed November 13, 2003, in PCT/US03/08610
AT3	International Search Report mailed July 12, 2005, in PCT/US04/31605
AU3	International Search Report mailed April 9, 2004, in PCT/US03/19445

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	AV3	International Search Report mailed April 26, 2001, in PCT/US00/22613
	AW3	Lee, Y., et al., "Antisense Expression of the CK2 α -Subunit Gene in Arabidopsis. Effects on Light-Regulated Gene Expression and Plant Growth", <i>Plant Physiology</i> , 119:989-1000 (1999)
	AX3	Lewin, B., "How Did Interrupted Genes Evolve?", <i>Genes</i> , 2 nd Edition, pages 333-337
	AY3	Matzke, M.A. et al., "RNA-Based Silencing Strategies in Plants", <i>Curr. Opin. Gen. & Devel.</i> , 11(2):221-227 (2001)
	AZ3	Mensink, R. et al., "Effect of Dietary Fatty Acids on Serum Lipids and Lipoproteins: A Meta-Analysis of 27 Trials", <i>Arteriosclerosis and Thrombosis</i> , 12(8):911-919 (1992)
	AA4	Montgomery, M.K. et al., "RNA as a Target of Double-Stranded RNA-Mediated Genetic Interference in <i>Caenorhabditis elegans</i> ", <i>Proc. Natl. Acad. Sci. USA</i> , 95(96):15502-15507 (1998)
	AB4	Napoli, C. et al., "Introduction of a Chimeric Chalcone Synthase Gene into Petunia Results in Reversible Co-Suppression of Homologous Genes <i>in trans</i> ", <i>The Plant Cell</i> , 2:279-289 (1990)
	AC4	Neff, W.E. et al., "Odor Significance of Undersirable Degradation Compounds in Heated Triolein and Trilinolein", <i>JAOCs</i> , 77(12):1303-1313 (2000)
	AD4	Okuley, J., et al., "Arabidopsis FAD2 Gene Encodes the Enzyme that is Essential for Polyunsaturated Lipid Synthesis", <i>The Plant Cell</i> , 6:147-158 (1994)
	AE4	Qing, L., Thesis, "The Isolation and Characterisation of Fatty Acid Desaturase Genes in Cotton", University of Sydney, Australia, pages ii-iv, 24-26, 121-123, 142, 167-168, 172-174, and 179-181 (1998)
	AF4	Sharp, P.A., "RNAi and Double-Strand RNA", <i>Genes & Development</i> , 13:139-141 (1999)
	AG4	Sharp, P.A., "RNA Interference - 2001", <i>Genes & Development</i> , 15:485-490 (2001)
	AH4	Supplemental European Search Report in European Application No. 03711656.3 completed June 29, 2005

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	AI4	Timmons, J.S. <i>et al.</i> , "Relationships Among Dietary Roasted Soybeans, Milk Components, and Spontaneous Oxidized Flavor of Milk", <i>Journal of Dairy Science</i> , 84(11):2440-2449 (2001)
	AJ4	Toborek, M. <i>et al.</i> , "Unsaturated Fatty Acids Selectively Induce an Inflammatory Environment in Human Endothelial Cells", <i>American Journal of Clinical Nutrition</i> , 75:119-125 (2002)
	AK4	van der Krol, A. R. <i>et al.</i> , "Flavonoid Genes in Petunia: Addition of a Limited Number of Gene Copies May Lead to a Suppression of Gene Expression", <i>The Plant Cell</i> , 2:291-299 (1990)
	AL4	Warner, K. <i>et al.</i> , "Effect of Oleic and Linoleic Acids on the Production of Deep-Fried Odor in Heated Triolein and Trilinolein", <i>Journal of Agricultural Food Chemical</i> , 49:899-905 (2001)
	AM4	Waterhouse, P.M. <i>et al.</i> , "Virus Resistance and Gene Silencing in Plants Can be Induced by Simultaneous Expression of Sense and Antisense RNA", <i>Proc. Natl. Acad. Sci. USA</i> , 95:13959-13964 (1998)
	AN4	Wesley, S.V. <i>et al.</i> , "Construct Design for Efficient, Effective and High-Throughput Gene Silencing in Plants", <i>The Plant Journal</i> , 27(6):581-590 (2001)

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